

# AZ Water 91<sup>th</sup> Annual Conference

Wednesday Morning - May 2, 2018

## Welcome!

### Please:

- Download the Phone App!
- Use the Phone App to Complete the Fresh Ideas Scoring
- Use the Phone App to take the Conference Survey and rate the sessions
- Wait until end of each session to scan out
- Silence cell phones and electronic devices

### Today's Highlights:

- Technical Program
- Manufacturer's Exhibition Grand Opening at 10:30
- Lunch in the Exhibition Hall beginning at 11:30 (or on your own)
- Manufacturer's Happy Hour in Exhibit Hall (5pm – 6pm)
- BBQ at Copper Blues /Stand Up Live beginning at 6pm
- Meter Mania throughout the day

# Flagstaff: How our Plant Remained Operational and Compliant after a Wastewater Flood Ruined our Equipment

**AKA – When the \$#!π fills the tunnels**

**Steve Camp, City of Flagstaff**  
**Jim Huchel, City of Flagstaff**

Steve Camp is currently the Regulatory Compliance Manager for the City of Flagstaff.

Jim is currently the Water Reclamation Manager for the City of Flagstaff

Jim and Steve have more than 55 years of combined experience in the water industry. However, Steve comes from a regulatory background (ADEQ) and Jim from an operations background, so perhaps their experience actually cancels each other's out for a net sum closer to zero.

# How you know your going to have a long day.



# What do you say to your manager?





# You Text him and say "It's Bad"





# 45 minutes after the issue was found



# What to do when the bad things happen





# DON'T PANIC





# Think of the things you need to get back on-line

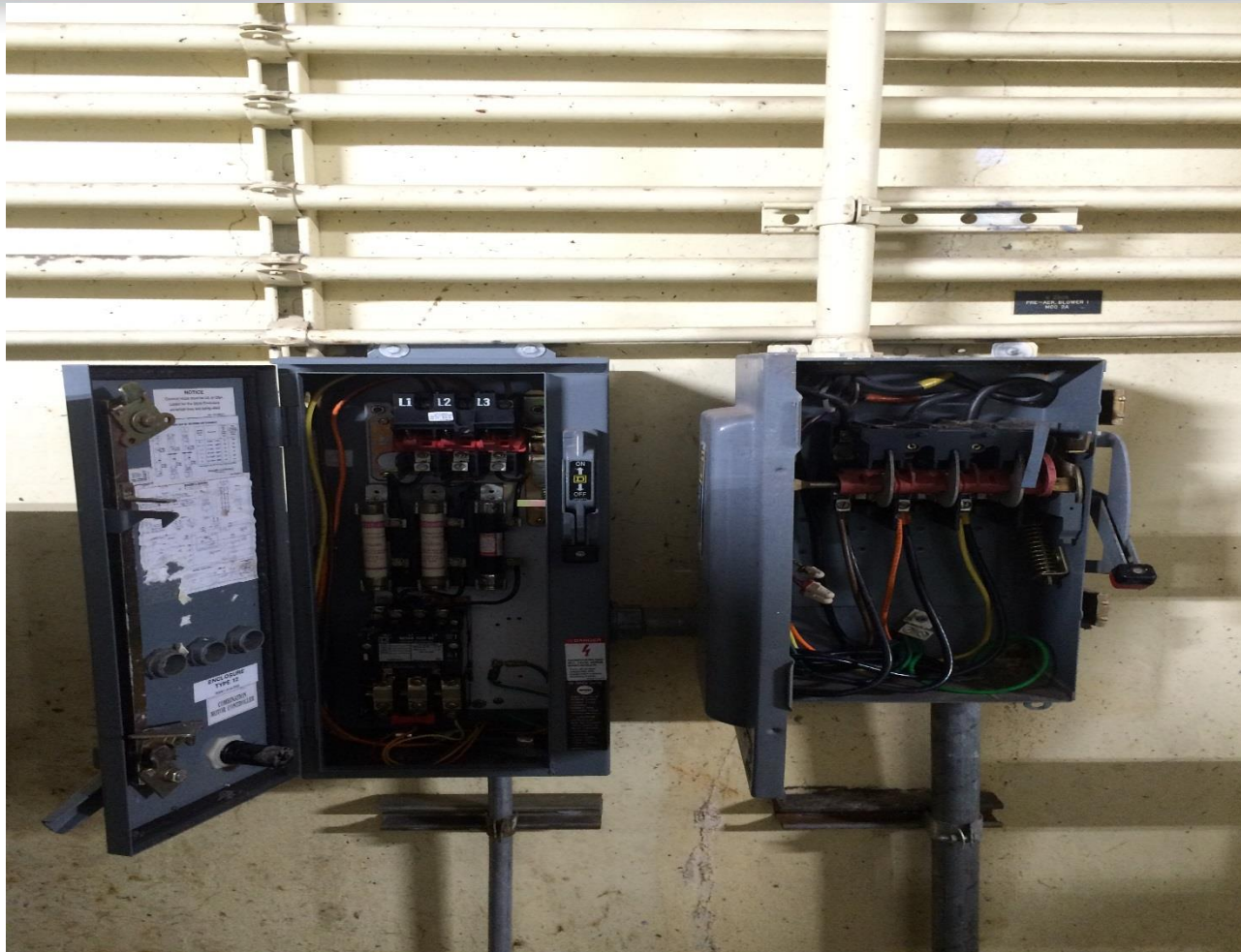


# The Clean up (Day 2)





# Order equipment early





# Call for help



# How did this happen?





# Regulatory looks at things different than Operations





# At least we contained most of the spill on-site





# Stormwater and AZPDES discharges





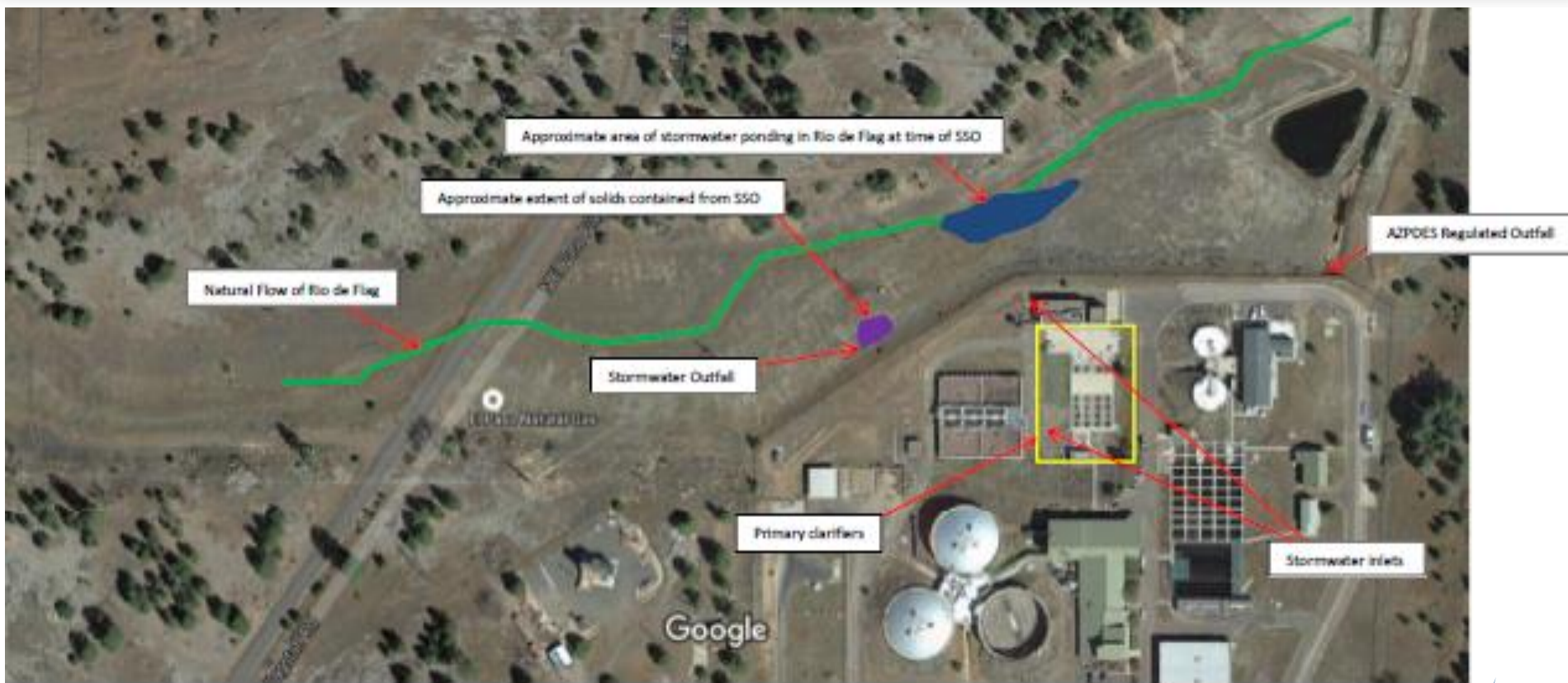
# Report Early and Report Often



We are Water



# Contain the mess





# Clean up the mess





# Document the Cleanup



## City of Flagstaff

September 2, 2016

Andy Koester - Manager  
ADEQ  
AZPDES Individual Permits Unit  
1110 W. Washington Street  
Phoenix, AZ 85007

RE: 5-day Notification of a Sanitary Sewer Overflow on August 29-30, 2016

Dear Andy,

This is a 5 day written notification regarding an August 29-30, 2016, sanitary sewer overflow (SSO) from the City of Flagstaff Water Reclamation Plant (WRP). Steve Camp from the City of Flagstaff provided 24-hour verbal notice via telephone to Andy Koester of ADEQ on August 30, 2016. This document is in accordance with R18-9-C305 F. reporting requirements.

At approximately 7:20pm on August 29, 2016, primary treated effluent from the Wildcat WRP overflowed from the primary clarifiers, filled underground tunnels and eventually overflowed to the Rio de Flag thru the stormwater system. The majority of the 1.5 million gallon primary treated effluent overflow was contained at the site in galleries and underground tunnels. However, approximately 127,000 gallons made it to the Rio de Flag thru the stormwater system.

The overflow occurred as a result of a control failure that resulted in the primary effluent pumps

# Hope for the best, but anticipate the worst

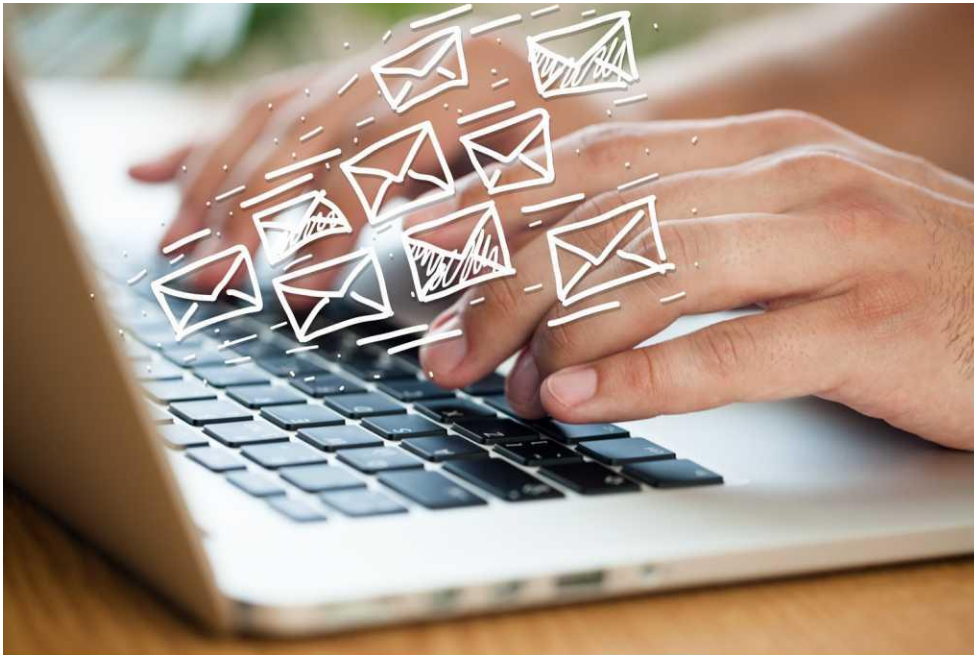




# Avoid the Worst



# Bottom Line – Keep **EVERYONE** informed





# QUESTIONS?

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Flagstaff, AZ 86004

Steve Camp  
Regulatory Compliance Manager  
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*Professionals Dedicated To Arizona's Water*



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